

Applicant(s): William Ziegler et al.
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In the claims:

1. (Currently Amended) An uninterruptible power supply for providing AC power to a load, the uninterruptible power supply comprising:

an input to receive AC power from an AC power source;
an output that provides AC power;
an inverter to receive DC power and to provide AC power;
a first connector electrically coupled to the inverter;
an energy storage device that provides the DC power, the energy storage device

including:

a plurality of terminals;

a plurality of lead wires, each lead wire having a first end connected to one of the terminals of the energy storage device;

a second connector adapted to connect to the first connector, each lead wire having a second end connected to the second connector;

an energy storage device cap attached to the energy storage device and covering the terminals and the first end of each of the lead wires, wherein the energy storage device cap has a housing that forms an opening through which the plurality of lead wires pass, ~~and~~ wherein an underside of the energy storage device cap is constructed and arranged to provide paths to route the plurality of lead wires to the plurality of terminals, and wherein the energy storage device cap includes at least one strain relief portion that provides strain relief for each of the plurality of lead wires; and

a transfer switch constructed and arranged to select one of the AC power source and the energy storage device as an output power source for the uninterruptible power supply.

2. (Cancelled)

2.1. (Currently Amended) The uninterruptible power supply as in claim 2, 1 wherein the strain relief portion of the energy storage device cap is a plurality of posts in which a lead wire can be weaved.

3. ~~4.~~ (Original) The uninterruptible power supply as in claim 1, wherein the energy storage device cap is made of an insulating material.

4. ~~5.~~ (Original) The uninterruptible power supply as in claim 1, wherein the energy storage device cap provides impact protection to the terminals of the energy storage device.

5. ~~6.~~ (Original) The uninterruptible power supply as in claim 1, wherein the first and second connector are constructed to mate without a use of a tool.

6. ~~7.~~ (Original) The uninterruptible power supply as in claim 1, further comprising:
an insulating tube formed around the plurality of lead wires of the energy storage device.

7. ~~8.~~ (Original) The uninterruptible power supply as in claim 1, further comprising:
a shrink wrap material that, when heated, attaches the energy storage device cap to the energy storage device.

8. ~~9.~~ (Currently Amended) An uninterruptible power supply for providing AC power to a load, the uninterruptible power supply comprising:

an input to receive AC power from an AC power source;

an output that provides AC power;

an inverter to receive DC power and to provide AC power;

a first connector electrically coupled to the inverter;

an energy storage device that provides the DC power, the energy storage device having a plurality of terminals and a plurality of leads wires, a first end of each of the lead wires connected to one of the terminals;

housing means for covering the terminals and the first end of each of the lead wires, the housing means forming an opening for receiving the plurality of lead wires and including means for routing each of the lead wires to one of the plurality of terminals and means for providing strain relief for each of the plurality of lead wires; and

a transfer switch constructed and arranged to select one of the AC power source and the energy storage device as an output power source for the uninterruptible power supply.

10-16 (Cancelled)

9. ~~17~~ (Currently Amended) A method of installing a battery into an uninterruptible power supply, the uninterruptible power supply having a first connector to couple to a battery, the method comprising:

providing a battery having a first terminal and a second terminal;

providing a battery cap having an underside that contacts a top portion of the battery, and
having a pair of lead wires integrated into the battery cap, the lead wires being contained in paths
formed in the underside of the battery cap and passing out of the battery cap and terminating in a second connector;

installing the battery cap on the battery such that each wire of the pair of lead wires mates with one of the first terminal and the second terminal;

installing the battery into the uninterruptible power supply and mating the first connector with the second connector.

10. ~~18~~ (Previously Added) The method of claim ~~17~~, wherein the mating of the first connector and the second connector is accomplished without the use of a tool.

11. ~~19~~ (Previously Added) The method of claim ~~17~~, further comprising routing each wire of the pair of wires through a separate path in the battery cap.

12. ~~20~~ (Previously Added) The method of claim ~~17~~, further comprising containing a portion of the pair of wires between the housing and the second connector, in an insulating sleeve.

13. ~~21~~ (Previously Added) The method of claim ~~17~~, further comprising routing each wire of the pair of wires through a hole formed in a housing of the battery cap.